Orders. Right of staff officers in such cases

station; and all orders of such aid or executive shall be regarded as proceeding from the commanding officer; and such aid or executive shall have no independent authority in consequence of such detail; and staff officers, senior to the officer so detailed, shall have the right to communicate directly with the commanding officer, and in processions on shore, on courts-martial, summary courts, courts of inquiry, boards of survey, and all other boards, line and staff officers shall take precedence according to rank.

Repealing clause.

Sec. 13. That all acts and parts of acts inconsistent with this act are hereby repealed.

Approved, March 3, 1871.

March 3, 1871.

CHAP. CXVIII. — *An Act making Appropriations for the Repair, Preservation, and Completion of certain public Works on Rivers and Harbors, and for other Purposes.*

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums of money be, and are hereby, appropriated, to be paid out of any money in the treasury not otherwise appropriated, to be expended under the direction of the Secretary of War, for the repair, preservation, and completion of the following public works hereinafter named:

Appropriation for the repair, &c. of public works on rivers and harbors.

Superior City. For improvement of Superior City harbor, Wisconsin, sixty thousand dollars.

Marquette. For improvement of Marquette harbor, Lake Superior, Michigan, sixty thousand dollars.

Green Bay. For improvement of Green Bay harbor, Wisconsin, seventeen thousand five hundred dollars.

Manitowoc. For improvement of Manitowoc harbor, Wisconsin, eleven thousand dollars.

Sheboygan. For improvement of Sheboygan harbor, Wisconsin, fifteen thousand dollars.

Port Washington. For improvement of Port Washington harbor, Wisconsin, fifteen thousand dollars.

Milwaukee. For improvement of Milwaukee harbor, Wisconsin, thirty-eight thousand dollars.

Racine. For improvement of Racine harbor, Wisconsin, ten thousand dollars.

Kenosha. For improvement of Kenosha harbor, Wisconsin, ten thousand dollars.

Two-Rivers. For improvement of Two-Rivers harbor, Wisconsin, twenty-five thousand dollars.

Ahnapee. For improvement of Ahnapee harbor, Wisconsin, twenty-five thousand dollars.

Mouth of Menomonee river. For improvement of harbor at mouth of Menomonee river, Wisconsin and Michigan, twenty-five thousand dollars.

Shrewsbury river. For improvement of the north and south branches of the Shrewsbury river, New Jersey, fourteen thousand dollars.

Aux Becs Scies. For improvement of Aux Becs Scies harbor, Michigan, ten thousand dollars.

South river. For the improvement of South river, New Jersey, fifteen thousand dollars.

Salem river. For the removal of obstructions of Salem river, New Jersey, four thousand dollars.

Manistee harbor. For improvement of Manistee harbor, Michigan, nine thousand dollars.

Ouachita river. For improvement of Ouachita river from the Louisiana State line to the town of Arkadelphia, in the State of Arkansas, on said river, twenty-five thousand dollars.

Pere Marquette. For improvement of Pere Marquette harbor, Michigan, ten thousand dollars.

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For improvement of Pentwater harbor, Michigan, ten thousand dollars. Pentwater.

For improvement of White River harbor, Michigan, twenty thousand dollars. White River.

For improvement of Muskegan harbor, Michigan, fifteen thousand dollars. Muskegan.

For improvement of Grand Haven harbor, Michigan, six thousand dollars. Grand Haven.

For improvement of Black Lake harbor, Michigan, ten thousand dollars. Black Lake.

For improvement of Saugatuck harbor, Michigan, ten thousand dollars. Saugatuck.

For improvement of Cheboygan harbor, Michigan, ten thousand dollars. Cheboygan.

For improvement of South Haven harbor, Michigan, fifteen thousand dollars. South Haven.

For improvement of Saint Joseph harbor, Michigan, ten thousand dollars. Saint Joseph.

For improvement of Saint Mary's Falls canal and Saint Mary's river, Michigan, two hundred and fifty thousand dollars. Saint Mary's Falls canal, and river.

For improvement of Au Sable river, Michigan, ten thousand dollars. Au Sable river.

For harbor of refuge, Lake Huron, Michigan, one hundred thousand dollars. Lake Huron.

For improvement of Clinton river, Michigan, one thousand five hundred dollars. Clinton river

For improvement of Saint Clair flats, Michigan, one thousand five hundred dollars. Saint Clair flats.

For improvement of Toledo harbor, Ohio, fifty thousand dollars. Toledo.

For improvement of Ashtabula harbor, Ohio, fifteen thousand dollars. Ashtabula.

For clearing and buoying the channel of the Schuylkill river, at its mouth, at Gibson's point, and above to the Chestnut Street bridge, Philadelphia, Pennsylvania, ten thousand dollars. Mouth of Schuylkill river.

For improvement of Erie harbor, Pennsylvania, twenty-nine thousand dollars. Erie harbor.

For improvement of Chicago harbor, Illinois, one hundred thousand dollars. Chicago.

For harbor of refuge, at Calumet, Illinois, fifty thousand dollars. Calumet.

For improvement of Michigan City harbor, Indiana, fifteen thousand dollars. Michigan City.

For improvement of Dunkirk harbor, New York, twenty-five thousand dollars. Dunkirk.

For improvement of Port Jefferson harbor, Long Island, New York, fifteen thousand dollars. Port Jefferson.

For improvement of Buffalo harbor, New York, one hundred thousand dollars. Buffalo.

For improvement of Olcott harbor, New York, five thousand dollars. Olcott.

For improvement of Oak Orchard harbor, New York, ten thousand dollars. Oak Orchard.

For improvement of Charlotte harbor, New York, ten thousand dollars. Charlotte.

For improvement of Little Sodus harbor, New York, fifteen thousand dollars. Little Sodus.

For improvement of Pultneyville harbor, New York, five thousand dollars. Pultneyville.

For improvement of Oswego harbor, New York, one hundred thousand dollars. Oswego.

For improvement of Ogdensburg harbor, New York, twenty-five thousand dollars. Ogdensburg.

Plattsburg. For improvement of Plattsburg harbor, New York, fifteen thousand dollars.

Peconic river. For the improvement of Peconic river, below the village of Riverhead, Long Island, five thousand dollars.

Burlington, Vermont. For improvement of Burlington harbor, Vermont, thirty thousand dollars.

Falls of St. Anthony. For the preservation of the falls of Saint Anthony, and the navigation of the Mississippi river above the same, fifty thousand dollars.

Ouachita river. For improvement of the Ouachita river, in Louisiana, from the Arkansas State line to the mouth of said river, twenty-six thousand dollars.

Upper Mississippi river. No part for any patent or patented machine. For improvement of the upper Mississippi river, and removing snags and dredging, forty-two thousand dollars: *Provided*, That no part of such sum shall be paid for the use of any patent or patented machine in which any engineer or officer employed by the government may be interested.

Minnesota river. For improvement of the Minnesota river, ten thousand dollars.

Rock Island rapids. For improvement of the Rock Island rapids, one hundred and fifty thousand dollars.

Des Moines rapids. For improvement of the Des Moines rapids, two hundred and fifty thousand dollars.

Mississippi, Missouri, and Arkansas rivers. For improvement of the Mississippi, Missouri, and Arkansas rivers, one hundred and fifty thousand dollars.

For improvement of the mouth of the Mississippi river, one hundred and twenty-five thousand dollars.

Ohio river, and Louisville canal. For improvement of the falls of the Ohio river, and Louisville canal, two hundred and fifty thousand dollars.

For improvement of the Ohio river, fifty thousand dollars.

Queenstown harbor. For improvement of Queenstown harbor, Maryland, five thousand dollars.

Cambridge, Maryland. For improvement of harbor at Cambridge, Maryland, ten thousand dollars.

Patapsco river and Chesapeake bay. For improvement of the ship-channel in the Patapsco river and Chesapeake bay, leading toward the harbor of Baltimore, fifty thousand dollars.

Cape Fear river. For improvement of the channel at the mouth of Cape Fear river, North Carolina, seventy-five thousand dollars.

Roanoke river. For improvement of Roanoke river, below Weldon, North Carolina, twenty thousand dollars.

Charleston harbor. For improvement of the ship-channel in Charleston harbor, South Carolina, thirteen thousand dollars.

James river. For improvement of the James river, below Richmond, Virginia, fifty thousand dollars.

Appomattox river. For improvement of the Appomattox river, below Petersburg, Virginia, fifty thousand dollars.

Rappahannock river. For improvement of the Rappahannock river, Virginia, fifteen thousand dollars.

Hudson river. For improvement of the Hudson river, New York, forty thousand dollars.

East River, and Hell Gate. For improvement of the East River, New York, including Hell Gate, two hundred and fifty thousand dollars.

Pawtucket river. For improvement of Pawtucket river, Rhode Island, seven thousand dollars.

Block Island. For construction of breakwater at Block Island, Rhode Island, seventy-five thousand dollars.

Pawcatuck river. For improvement of Pawcatuck river, Rhode Island and Connecticut, ten thousand dollars.

Thames river. For improvement of Thames river, Connecticut, fifteen thousand dollars.

Connecticut river. For improvement of Connecticut river, above Hartford and below Holyoke, twenty thousand dollars.

For improvement of Connecticut river, below Hartford, thirty-five thousand dollars.

For improvement of New Haven harbor, Connecticut, forty thousand dollars. — New Haven.

For improvement of the Housatonic river, Connecticut, fifteen thousand dollars. — Housatonic river.

For improvement of Bridgeport harbor, Connecticut, twenty thousand dollars. — Bridgeport.

For improvement of Taunton river, Massachusetts, ten thousand dollars. — Taunton river.

For improvement of Hyannis harbor, Massachusetts, ten thousand dollars. — Hyannis.

For improvement of Provincetown harbor, Massachusetts, six thousand dollars. — Provincetown.

For improvement of Plymouth harbor, Massachusetts, ten thousand dollars. — Plymouth.

For improvement of Boston harbor, Massachusetts, one hundred thousand dollars. — Boston.

For improvement of Merrimac river, above Haverhill, Massachusetts, twenty-five thousand dollars. — Merrimac river.

For improvement of Kennebunk river, Maine, five thousand dollars. — Kennebunk river.

For improvement of Saco river, Maine, fifteen thousand dollars. — Saco river.

For improvement of Portland harbor, Maine, forty thousand dollars. — Portland.

For improvement of the Cocheco river, within the town of Dover, New Hampshire, ten thousand dollars. — Cocheco river.

For improvement of Kennebec river, above Hallowell, Maine, ten thousand dollars. — Kennebec river.

For improvement of Kennebec river, between Gardiner and Richmond, Maine, five thousand dollars.

For improvement of navigation at the "Gut," opposite Bath, Maine, six thousand five hundred dollars.

For improvement of the Penobscot river, at Bangor, and below, Maine, fifty thousand dollars. — Penobscot river.

For improvement of Union river, Maine, fifteen thousand dollars. — Other rivers in Maine.

For improvement of Royal's river, Maine, ten thousand dollars.

For improvement of Narragaugus river, Maine, twelve thousand dollars.

For improvement of Sullivan river, Maine, ten thousand dollars.

For improvement of White, Black, and Little Red rivers, in the State of Arkansas, ten thousand dollars. — Rivers in Arkansas;

For improvement of Saint Francis river, in the State of Arkansas, ten thousand dollars.

For improvement of the Little Missouri river, in the State of Arkansas, ten thousand dollars.

For improvement of the Cumberland river below Nashville, Tennessee, thirty thousand dollars. — in Tennessee.

For improvement of Galveston harbor, Texas, twenty thousand dollars. — Galveston.

For construction of breakwater at Wilmington harbor, California, two hundred thousand dollars. — Wilmington.

For improvement of the Umpqua river, Oregon, twenty-two thousand five hundred dollars. — Umpqua river.

For the improvement of the bar at the mouth of the Saint John's river, Florida, fifteen thousand dollars. — Saint John's river, Florida.

For improvement of Mobile harbor, Alabama, fifty thousand dollars. — Mobile.

For improvement of the Osage river, Missouri, twenty-five thousand dollars. — Osage river.

For improvement of the harbor at Du Luth, Minnesota, sixty thousand dollars. — Du Luth.

For improvement of the Willamette river, above Oregon city, Oregon, sixteen thousand dollars. — Willamette river.

Surveys, &c. for improvements on lakes, rivers, and coasts.

For examination and surveys for improvement on the northern and northwestern lakes and rivers, and the Atlantic and Pacific coasts, and for contingencies of rivers and harbors not provided for in this act, one hundred and seventy-five thousand dollars.

Unexpended appropriations for the improvement of the Tennessee river, how to be expended.

SEC. 2. That all moneys heretofore appropriated for the improvement of the Tennessee river, and still unexpended, shall be expended, under the direction of the Secretary of War, for the repair and completion of the works heretofore begun between Knoxville and Chattanooga, and for the continuation of the works now in progress below Chattanooga, including the Muscle shoals.

Examinations or surveys, or both, to be made at various points.

SEC. 3. That the Secretary of War is hereby directed to cause examinations or surveys, or both, to be made at the following points, namely: At Galveston harbor, from the outer bar up to the Red Fish bar, on or nearest to the west shore; at Mississippi city, for harbor on Mississippi sound; at Black river, Missouri, to Poplar bluff; at Current river, Missouri, from its mouth to Van Buren; at Otter creek, Vermont; at Norfolk harbor, Virginia; at Eureka harbor, and at Santa Cruz, California; at Passaic river, between Newark and Passaic, New Jersey; for ship canal from the head of Sturgeon bay, Wisconsin, on the line now opened across the portage through the timber to the shore of Lake Michigan, with estimates for constructing the same one hundred feet wide and thirteen feet deep; at East Chester creek or inlet, New York; at Port Chester harbor, New York; at Rondout harbor, Hudson river, New York; at Maumee river, above Toledo, Ohio; at Fourche La Faive river, Arkansas; for resurveying of Monroe harbor, Michigan; for survey and estimate for removing middle ground at the mouth of Black river, in Saint Clair river, Michigan; harbor at Stonington, Connecticut; at Grand Marais, Michigan; at Neabsco bay, Virginia; at Accotink bay, Virginia; at Savannah harbor, Georgia; at Well's harbor, Maine; at Coosa river, Alabama; at Huntington harbor, on south coast of Long Island sound; and to complete the survey of the Cumberland river, and the resurvey of the Tennessee river, from Brown's ferry to Florence, Alabama; at Choctawhatchee river, Florida; at Aquia creek, Virginia; for survey of White river, from Buffalo shoals to the mouth of James fork, Missouri; for the survey of the Wabash river, from its mouth to the city of Lafayette; for survey of the Monongahela river, from New Geneva, in Pennsylvania, to Morgantown, in West Virginia; for a survey beginning at or near Guntersville, on the Tennessee river, to the headwaters of the Warrior and Coosa rivers, in Alabama, with the view of determining the practicability of uniting the waters of the Tennessee river with the waters of the Warrior or Coosa river for the purposes of navigation, and estimates for necessary locks and dams to extend the navigation on said river to the last-named place; for examination and survey of the Etowah river, from its mouth up to Cartersville, Georgia, and also for examination and survey of Atchafalaya bay and Calcasieu pass, Louisiana; of the Oostenaula river; from Rome, Georgia, up to the mouth of the Coosawattee; at Chattahoochee river, below Columbus, Georgia; at the mouth of the Saint John's river, from the outer bar to Jacksonville, Florida; at the mouth of the Saint Mark's river, from Spanish Hole to St. Mark's, Florida; at Apalachicola bay, Florida; at Tampa bay, at Tampa, Florida; for resurvey of Fifteen-mile falls; at Elizabeth and Nansemond rivers, Virginia; at Camden, Arkansas, to Trinity, Louisiana, on Ouachita river; at Goldsboro, North Carolina, to the mouth of Neuse river; at the mouth of Licking river, Kentucky, for harbor of refuge; for survey of the Cape Fear and Deep rivers, as far up as La Grange, North Carolina; at Cuivre river, Missouri, from its mouth to Moscow Mills; at Bayou Bartholomew, from its mouth to the Arkansas State line; for the examination and survey of the Tangipaha and Chifuncte rivers, in the State of Louisiana; for the survey of

Horse Shoe shoals, in the Delaware river, below Philadelphia, Pennsylvania; for the survey of the harbor of Norwalk, Connecticut; for surveying the mouths of Quantico and Choppa Wamasic bays, Virginia; for examination and survey of Red river, from the mouth to a point above the raft in Louisiana.

Unexpended balances of appropriations by act 1870, ch. 240, *Ante*, p. 223, are hereby reappropriated.

Sec. 4. That the unexpended balances of appropriations made by the act approved July eleven, eighteen hundred and seventy, entitled "An act making appropriations for the repair, preservation, and completion of certain public works *in* [on] rivers and harbors, and for other purposes, for the fiscal year ending June thirty, eighteen hundred and seventy-one," are hereby reappropriated for the purposes therein specified: *Provided*, That any part of the appropriations made by this act may, at the discretion of the Secretary of War, be applied during the current fiscal year.

Proviso.

Approved, March 3, 1871.

CHAP. CXIX. — *An Act making Appropriations for the Construction, Preservation, and Repairs of certain Fortifications and other Works of Defence.*

March 3, 1871.

Appropriation for fortifications, &c.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and the same are hereby, appropriated, out of any money in the treasury not otherwise appropriated, for the following fortifications and other works of defence: —

Fort Gorges.

For Fort Gorges, Portland harbor, Maine, fifteen thousand dollars.

Fort Preble.

For Fort Preble, Portland harbor, Maine, twenty-eight thousand five hundred dollars.

Fort Scammell.

For Fort Scammell, Portland harbor, Maine, fifty thousand dollars.

Fort Warren.

For Fort Warren, Boston harbor, Massachusetts, fifty thousand dollars.

Battery on Long Island head.

For battery on Long Island head, Boston harbor, Massachusetts, thirty-seven thousand five hundred dollars.

Fort Winthrop.

For Fort Winthrop, Boston harbor, Massachusetts, forty-five thousand five hundred dollars.

Fort Independence.

For Fort Independence, Boston harbor, Massachusetts, twenty-seven thousand five hundred dollars.

Fort Schuyler.

For Fort Schuyler, East river, New York, fifty-seven thousand five hundred dollars.

Fort at Willett's point.

For fort at Willett's point, East river, New York, forty-five thousand dollars.

Fort Hamilton, &c.

For Fort Hamilton and additional batteries, New York harbor, twenty-five thousand dollars.

Fort on site of Fort Tompkins.

For fort on site of Fort Tompkins, New York harbor, fifty-two thousand dollars.

Battery Hudson.

For Battery Hudson, New York harbor, sixteen thousand five hundred dollars.

Fort Mifflin.

For Fort Mifflin, near Philadelphia, twenty-six thousand dollars.

Finn's point.

For battery on Finn's point, Delaware river, twenty thousand dollars.

Fort opposite Fort Delaware.

For new fort opposite Fort Delaware, Delaware shore, fifty thousand dollars.

Fort Moultrie.

For Fort Moultrie, Charleston harbor, twenty-five thousand dollars.

Fort Sumter.

For Fort Sumter, Charleston harbor, twenty-five thousand dollars.

Fort Pulaski.

For Fort Pulaski, Savannah river, twenty-six thousand five hundred dollars.

Fort Jefferson.

For Fort Jefferson, Garden Key, Florida, forty-two thousand five hundred dollars.

Fort Jackson.

For Fort Jackson, Mississippi river, Louisiana, fifty thousand dollars.

Fort Saint Philip.

For Fort Saint Philip, Mississippi river, Louisiana, thirty-seven thousand five hundred dollars.